

IFPEN-320 000 REFERENCE VALUES

Using the Kerogen method - Basic cycle

	S1	S2	Tmax	S3	S3CO	S4CO ₂	S4CO	HI	OI	PC	RC	TOC	Total C* ³
	mg HC/g rock		°C	mg CO ₂ /g rock	mg CO/g rock	mg CO ₂ /g rock	mg CO/g rock	mg HC/g TOC	mg CO ₂ /g TOC	wt.%			
Average value	15	618	410	5.2	4.7	325	67	946	8	53.6	11.7	65.3	65.3
Confidence interval¹	± 2	± 26	± 6	± 1.8	± 0.5	± 19	± 10	± 13	± 3	± 2.1	± 0.8	± 2.1	± 2.1
Confidence interval²	± 2	± 18	± 5	± 1.2	± 0.4	± 14	± 7	± 10	± 2	± 1.5	± 0.6	± 1.5	± 1.5

	Pyro Tot S	Oxi Tot S	Total S
	wt.%		
Average value	15.2	1.0	16.2
Confidence interval¹	± 0.7	± 0.3	± 0.7
Confidence interval²	± 0.5	± 0.2	± 0.5

The reference values were calculated from analytical data derived from 6 series of 5 repetitions gathered over a 5-month period on a single Rock-Eval® 7S instrument, using the Kerogen method.

The confidence interval is expressed as a 95% confidence interval.

*1 Confidence interval for a single analysis = standard deviation of reproducibility x 2

*2 Confidence interval for a duplicate = standard deviation of reproducibility x √2

*3 Total C equals TOC since MinC is nul

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